



Federal Aviation
Administration

AIR TRAFFIC ORGANIZATION
NAVIGATION SYSTEMS
CONFIGURATION CONTROL BOARD
CHARTER
In SUPPORT of
LIFE-CYCLE MANAGEMENT
of the
NATIONAL AIRSPACE SYSTEM

December 1, 2006

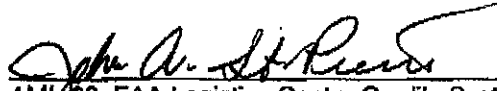
Submitted by 
CCB Co-Chairperson
ATO Navigation Services (ATO-W)

Submitted by 
CCB Co-Chairperson
ATO National Airway Systems
Engineering (ATO-W)

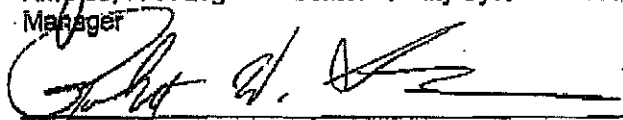
Approved by  6/22/07
NAS CCB Co-Chairperson

Approved by  6/22/07
NAS CCB Co-Chairperson

CCB Signature Page


AML-30, FAA Logistics Center Quality Systems Group
Manager

2/12/07
Date


ATO-A, Acquisition Quality Assurance Group
Manager


2/7/07
Date


ATO-P, NAS Requirements and Interface Management
Group Manager

2/12/07
Date


ATO-P, NAVAIDS and Avionics Group Manager


2/12/07
Date


ATO-W, Global Navigation Satellite Systems
Group Manager

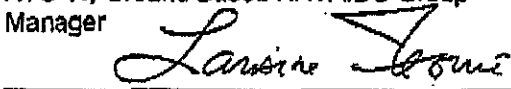
02/12/2007
Date


ATO-W, Technical Support Group Manager

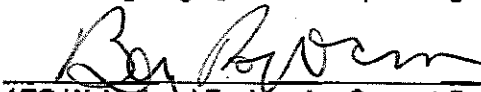
02/07/07
Date


ATO-W, Ground Based NAVAIDS Group
Manager

02/07/07
Date


ATO-W, Lighting Systems Group Manager

02/07/07
Date


ATO-W, National Engineering Support Group
Manager

4/5/07
Date

Revision History

Date	Revision	Change Description
12/1/06	-	Initial baseline

Table of Contents

1.0	INTRODUCTION.....	1
1.1	Purpose.....	1
1.2	Authority.....	1
2.0	NAVIGATION SYSTEMS CCB RESPONSIBILITIES.....	2
3.0	NAVIGATION SYSTEMS CCB PARTICIPANTS	3
4.0	CCB ADMINISTRATION	3
5.0	CCB RECOMMENDATIONS AND DECISIONS.....	3
6.0	CHANGES TO THE CCB CHARTER.....	4
7.0	DELEGATION OF CCB AUTHORITY	4

Appendix List

APPENDIX A: CONFIGURATION ITEMS	A-1
APPENDIX B: CCB MEMBERSHIP.....	B-1
APPENDIX C: ACRONYM LIST	C-1

**Air Traffic Organization
Navigation Systems
Configuration Control Board
Charter
in Support of
Life-Cycle Management
of the
National Airspace System (NAS)**

1.0 INTRODUCTION

1.1 *Purpose*

This Charter establishes the Air Traffic Organization's, Navigation Systems Configuration Control Board (CCB) and assigns responsibility for establishing baselines and controlling changes to these baselines for the Configuration Items (CIs) identified in Appendix A of this document. The Navigation Systems CCB will operate in an integrated and disciplined manner to provide a structured and streamlined control process for managing the assigned products and services within the Navigation domain throughout their intended life cycle. Life cycle configuration management through the CCB ensures that all changes are visible, that any potential safety, security, and operational impacts to the NAS are properly addressed, and provides consistency with technical and programmatic direction across all products and services. This CCB charter empowers the Navigation Systems CCB to disposition all changes to these CIs in accordance with FAA Order 1800.66, Configuration Management Policy, and all applicable notices that supplement the processes contained in Order 1800.66. Organizations that control CIs external to the Navigation Systems CCB, yet which impact Navigation Systems CCB CIs, will coordinate their Configuration Management (CM) activities with the Navigation Services CM organization. The Navigation Systems CCB Operating Procedures define the processes and procedures used to execute the responsibilities assigned in this Charter.

1.2 *Authority*

The Navigation Systems CCB is authorized by the National Airspace System (NAS) CCB in accordance with FAA Order 1800.66. This authority does not extend to the creation of lower level CCBs. The Charter shall be changed only upon recommendation by the Navigation Systems CCB and approval by the NAS CCB.

2.0 NAVIGATION SYSTEMS CCB RESPONSIBILITIES

The responsibilities of the Navigation Systems CCB are as follows:

- a) Performing CCB functions as established in this Charter are in accordance with FAA Order 1800.66 and all applicable notices that supplement the processes contained in Order 1800.66;
- b) Submitting proposed changes to this Charter to the NAS CCB, and subsequently implementing the approved changes;
- c) Maintaining and approving proposed changes to the Navigation Systems Configuration Management (CM) Plan and CCB Operating Procedures;
- d) Identifying the Navigation Systems CCB configuration item baseline documentation, as well as documents that comprise each of the domain's subordinate baselines;
- e) Developing plans and policies for the configuration management of the Domain system architecture throughout the life cycle of the system, and ensuring alignment with the NAS Enterprise Architecture;
- f) Ensuring that the specifications under the jurisdiction of the Navigation Systems CCB are developed in accordance with FAA-STD-005 and approved in accordance with FAA Order 1800.66 and all applicable notices and supplements;
- g) Ensuring that the change proposals beyond the approval authority of the Navigation Systems CCB are elevated to the NAS CCB for review and approval;
- h) Ensuring adherence to configuration control policies and procedures in processing changes to the Navigation Systems CCB configuration item data and baselines;
- i) Ensuring proposed changes are reviewed in accordance with approved processes and procedures, including those implementing Safety Management System (SMS) change processing requirements;
- j) Coordinating interfaces between responsible organizations prior to presentation to the CCB;
- k) Reviewing, adjudicating, transferring or elevating changes presented to the CCB;
- l) Documenting and tracking CCB actions and decisions in accordance with the processes and procedures as defined in the CCB Operating Procedures;
- m) Ensuring that the listing of Navigation Systems CCB CIs in Appendix A remains current. NAS baselined CIs are contained in NAS-MD-001. This includes generation of case files to decommission NAS systems or subsystems which have been removed entirely from the NAS inventory;
- n) Reporting CM performance metrics for the Navigation Systems CCB to the NAS CCB at the request of the NAS CCB.

3.0 NAVIGATION SYSTEMS CCB PARTICIPANTS

The Navigation Systems CCB members are identified in Appendix B. All interested parties may participate in Navigation Systems CCB meetings.

4.0 CCB ADMINISTRATION

The CCB Executive Secretariat shall be responsible for ensuring that changes are presented at CCB meetings. The Executive Secretariat's responsibilities consist of coordinating and performing the administrative tasks related to the performance of the CCB, including, but not limited to the following:

- a. Preparing agenda and formal meeting minutes;
- b. Supporting the change process and procedures (including prescreening, must evaluation and resolution of comments);
- c. Collecting metrics and reporting to the NAS CCB;
- d. Tracking and monitoring CCB action items and Configuration Control Decision (CCD) to closure;
- e. Ensuring that all proposed NAS changes include a safety assessment and that Safety Risk Management (SRM) documentation is provided to the appropriate decision makers as required;
- f. Ensuring that all proposed NAS changes contain security assessment and estimated cost and funding source information;
- g. Submitting any unresolved comments to the Chairperson for resolution;
- h. Supporting CM performance monitoring functions, under the authority of this CCB Charter and as described in the CCB Operating Procedures;
- i. Ensuring all CM information is validated and entered into the FAA nationally approved CM database and;
- j. Elevating issues that cannot be resolved at the Navigation Systems CCB to the NAS CCB for resolution.

5.0 CCB RECOMMENDATIONS AND DECISIONS

The Navigation Systems CCB shall review, adjudicate, elevate, or withdraw proposed NCPs affecting its CIs or transfer proposed NCPs to other CCBs for adjudication as required. The CCB shall reach a decision after a period of presentation and discussion, at which time the chairperson(s) may poll the members for their position or recommendation. The CCB chairperson(s) shall make all final decisions. NCPs may be deferred until the next CCB if further analysis or additional information is needed.

Decisions on NCPs shall be documented in a CCD prepared by the CCB Executive Secretariat and signed by the CCB Chairperson(s). The CCD will include detailed

implementation action items and the responsible organization(s). CCD actions will be documented, tracked, and monitored through closure.

6.0 CHANGES TO THE CCB CHARTER

This Charter shall be changed only with the approval of the NAS CCB upon the recommendation of the Navigation Systems CCB. CCB Charter change process guidance provides details for establishing initial Charter baseline and maintaining configuration control.

7.0 DELEGATION OF CCB AUTHORITY

The CCB Chairpersons may authorize another participant to act as a chairperson via notification to the CCB Executive Secretary. CCB permanent members are responsible for ensuring that they are represented at CCB meetings and may delegate specific authority by notifying the CCB Executive Secretary. Additionally, when time critical or urgent processing of a proposed change request is necessary, or in the event of other specific circumstances, the CCB Chairperson(s) may call an emergency CCB meeting or approve changes without benefit of a CCB meeting or member review. Change requests processed outside the normal CCB process shall be documented and communicated to permanent members as soon as practicable, or no later than the next regularly scheduled meeting. Questions and concerns regarding CCB decisions are addressed to the CCB Chairperson(s).

APPENDIX A: CONFIGURATION ITEMS

The CIs listed below are under the control of the Navigation Systems CCB. Currently, these CIs reflect the primary facilities, systems and products, which provide the required services within the domain. As these CIs, or components thereof are baselined and/or placed under configuration control, they will be entered into the Master Configuration Index and contained in the NAS Subsystem Baseline Configuration and Documentation Listing, NAS-MD-001.

NAVIGATION SYSTEMS CCB CIs:

Configuration Item	Acronym
1. Approach Lighting System	ALS
2. Approach Lighting System with Sequenced Flashing Lights	ALSF-1
3. Approach Lighting System with Sequenced Flashing Lights	ALSF-2
4. Airport Remote Monitoring System	ARMS
5. Dual Mode High Intensity Approach Lighting System	ALSF-2/SSALR
6. Aviation Loran-C Monitor	AVLORMON
7. Direction Finder	DF
8. Distance Measuring Equipment	DME
9. Distance Measuring Equipment with TACAN	DMER
10. Glide Slope	GS
11. Instrument Landing System	ILS
12. Inner Marker	IM
13. Local Area Augmentation System	LAAS
14. Lead-In Lighting System	LDIN
15. (Compass) Locator (AT) Middle Marker	LMM
16. Localizer	LOC
17. (Compass) Locator (AT) Outer Marker	LOM
18. Medium Intensity Approach Lighting System	MALS
19. MALS with Sequenced Flashing Lights	MALSF
20. MALS with Runway Alignment Lights	MALSR
21. Microwave Landing System	MLS
22. Middle Marker	MM
23. Non-Directional Beacon	NDB
24. Omnidirectional Approach Lighting System	ODALS
25. Outer Marker	OM
26. Precision Approach Path Indicator	PAPI
27. Runway End Identifier Lighting System	REIL
28. Remote Monitor Control Facility	RMCF
29. Remote Maintenance VORTAC Concentrator	RMVC
30. Remote Radio Control Interface Unit	RRCIU
31. Remote Radio Control System	RRCS

Configuration Item	Acronym
32. Runway Visual Range	RVR
33. Simplified Short Approach Lighting System with Runway Alignment Lights	SSALR
34. Tactical Air Navigation	TACAN
35. Transponder Landing System	TLS
36. Visual Approach Slope Indicator	VASI
37. Very-High-Frequency Omnidirectional-Range Radio	VOR
38. VOR with DME	VOR/DME
39. VOR and Tactical Air Navigation with DME	VORTAC
40. VOR Test System	VOT
41. VORTAC - Second Generation	VTC
42. Wide Area Augmentation System	WAAS
43. WAAS Master Station	WMS
44. WAAS Reference Station	WRS

APPENDIX B: CCB MEMBERSHIP

The participants of the Navigation Systems CCB shall be as follows:

NAVIGATION SYSTEMS CCB Chairperson(s)

- ATO-W, Navigation Services Chief Systems Engineer Group Manager
- ATO-W, National Airway Systems Engineering Group Manager

NAVIGATION SYSTEMS CCB Executive Secretariat

- ATO-W, Navigation Services Chief Systems Engineer Group, CM Lead

NAVIGATION SYSTEMS CCB Permanent Members

- AML-30, Quality Systems Group FAA Logistics Center Division Manager
- ATO-A, Acquisition Quality Assurance Group Manager
- ATO-P, NAS Requirements and Interface Group Manager
- ATO-P, William J. Hughes Technical Center Office NAVAIDs and Avionics Group Manager
- ATO-W, Navigation Services Global Navigation Satellite Systems Group Manager
- ATO-W, Navigation Services Technical Support Group Manager
- ATO-W, Navigation Services Ground Systems Group Manager
- ATO-W, Navigation Services Lighting Systems Group Manager
- ATO-W, Air Traffic Control Facilities National Engineering Support Group Manager
- Ad Hoc Technical Advisors, Consultants, and Program Control Specialists will be invited as required.

APPENDIX C: ACRONYM LIST

ATO..... Air Traffic Organization
CCB Configuration Control Board
CCD Configuration Control Decision
CI Configuration Item
CM Configuration Management
CMO..... Configuration Management Officer
FAA Federal Aviation Administration
NAS..... National Airspace System
NAVAIDS.....Navigation Aids
NCP NAS Change Proposal
SMS Safety Management System
SRM Safety Risk Management